

COPY

**DECLARATION AND POWER OF ATTORNEY FOR PATENT  
APPLICATION**

Attorney Docket No. 97-3-804

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**CAPACITY ENHANCEMENT FOR MULTI-CODE CDMA WITH INTEGRATED SERVICES  
THROUGH QUALITY OF SERVICE AND ADMISSION CONTROL**

the specification of which (check one)  is attached hereto.  was filed on 7/10/98  
as Appln. Serial No. 09/113,551 and was amended on

( if applicable). I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)	Priority Claimed
<hr/>	<hr/>
(Number)	(Country)
	(Day/Month/Year filed)
	<hr/>

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date for this application:

---

(Appln. Serial No.)

---

(Filing Date)

---

(Status--patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

**Leonard C. Suchyta, Reg. No. 25,707**

**Floyd E. Anderson, Reg. No. 33,825**

**John A. Odozynski, Reg. No. 28,769**

Attorney Docket No. 97-3-804

Address all telephone calls to Leonard C. Suchyta at telephone no. (781) 466-4013

Address all correspondence to  
Leonard C. Suchyta  
GTE Service Corporation  
600 Hidden Ridge, HQE03G13  
Irving, TX 75038

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF SOLE OR FIRST INVENTOR Deepak Ayyagari

Inventor's signature D. A. Ayyagari Date Sept. 16, 1998

Residence Arlington, MA Citizenship India

Post Office Address 8 Arizona Terrace, Apt. 4, Arlington, MA 02474

FULL NAME OF SECOND JOINT INVENTOR Samuel Resheff

Inventor's signature S. Resheff Date 9-14-98

Residence Newton, Massachusetts Citizenship USA

Post Office Address 28 Madoc Street, Newton, MA 02459

FULL NAME OF THIRD JOINT INVENTOR Anthony Ephremides

Inventor's signature A. Ephremides Date 9-15-98

Residence Bethesda, Maryland Citizenship USA

Post Office Address 5809 Nicholson Ln., 1004, N. Bethesda, MD 20852

COPY

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
Deepak AYYAGARI et al. )  
Serial No.: 09/113,551 ) Group Art Unit: 2661  
Filed: July 10, 1998 ) Examiner: Pizarro, R.  
For: CAPACITY ENHANCEMENT FOR MULTI- )  
CODE CDMA WITH INTEGRATED )  
SERVICES THROUGH QUALITY OF )  
SERVICE AND ADMISSION CONTROL )

Assistant Commissioner for Patents Washington, D.C. 20231

ASSOCIATE POWER OF ATTORNEY (37 C.F.R. 1.34)

Please recognize as Associate Attorney in this case:

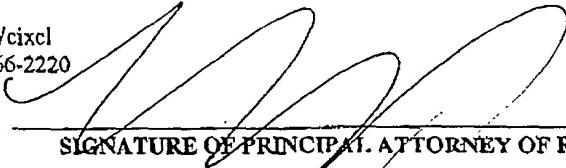
Name of attorney	James Weixel
Address	Verizon Services Group 600 Hidden Ridge, HQE03 H01 Irving, TX 75038
Reg. No.	44,399
Tel. No.	(781) 466-2220

Until further notice, please direct all correspondence to:

Name of attorney	Leonard Charles Suchyta
Address	Verizon Services Group (Formerly GTE Service Corporation) Mailcode HQE03 H01 600 Hidden Ridge Dr. Irving, TX 75038
Reg. No.	25,707

and calls to:

Name of attorney	James Weixel
Tel. No.	(781) 466-2220

  
SIGNATURE OF PRINCIPAL ATTORNEY OF RECORD

Reg. No	25,707	Name	Leonard Charles Suchyta
Tel. No.	(972) 718-4741	Address:	Verizon Services Group Mailcode HQE03 H01 600 Hidden Ridge Dr. Irving, TX 75038

Date

12-20-00

**CERTIFICATE OF AMENDMENT  
OF  
RESTATED CERTIFICATE OF INCORPORATION  
OF  
GTE LABORATORIES INCORPORATED**

GTE Laboratories Incorporated (the "Corporation"), a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware, HEREBY DOES CERTIFY:

FIRST: That the Board of Directors of said Corporation, by unanimous consent effective June 23, 2000, adopted the following resolution advising that the Restated Certificate of Incorporation of said Corporation be amended:

RESOLVED, that the Restated Certificate of Incorporation of this Company be amended, as follows:

Paragraph FIRST is amended to read: "The name of the corporation is Verizon Laboratories Inc."

and that it be submitted to the stockholder for consideration.

SECOND: That in lieu of a meeting and vote of stockholder, the stockholder has given unanimous written consent to said amendment in accordance with the provisions of Section 228(a) of the General Corporation Law of the State of Delaware.

THIRD: That the aforesaid amendment was duly adopted in accordance with the applicable provisions of Section 242 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, the Corporation has caused this certificate to be signed by John P.Z. Kent, its Vice President-Taxes and attested by Londa C. Perrett, its Assistant Secretary, this 28<sup>th</sup> day of June, 2000.

GTE LABORATORIES INCORPORATED

ATTEST:

By: John P.Z. Kent  
John P.Z. Kent  
Vice President-Taxes

Londa C. Perrett  
Londa C. Perrett  
Assistant Secretary

*State of Delaware*  
*Office of the Secretary of State*

PAGE 1

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "GTE LABORATORIES INCORPORATED", CHANGING ITS NAME FROM "GTE LABORATORIES INCORPORATED" TO "VERIZON LABORATORIES INC.", FILED IN THIS OFFICE ON THE THIRTIETH DAY OF JUNE, A.D. 2000, AT 1 O'CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



*Edward J. Freel*

Edward J. Freel, Secretary of State

0545412 8100  
001336092

AUTHENTICATION:

0538146

DATE:

07-05-00

## ASSIGNMENT

For good and valuable consideration which we hereby acknowledge,

we,      Deepak Ayyagari  
              Samuel Resheff

residing (respectively) at

8 Arizona Terrace, Apt. 4, Arlington, MA 02474  
28 Madoc Street, Newton, MA 02459

sell and assign to **GTE LABORATORIES INCORPORATED**, a Delaware corporation, its successors and assigns, our invention in

### CAPACITY ENHANCEMENT FOR MULTI-CODE CDMA WITH INTEGRATED SERVICES THROUGH QUALITY OF SERVICE AND ADMISSION CONTROL

and the application for United States Patent therefor executed concurrently herewith, and all Patents which may be granted therefor, and all divisions, reissues, continuations and extensions thereof, and authorize and request the Commissioner of Patents to issue all Patents on said invention or resulting therefrom to said Company as assignee of the entire interest, and covenant that we have full right so to do and agree that we will communicate to said Company or its representatives any facts known to us respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said Company, its successors, assigns, and nominees, to obtain and enforce proper patent protection for said invention, in the United States and all foreign countries.

Inventor Deepak Ayyagari Date Sept. 14, 1998  
Address 8 Arizona Terrace, Apt. 4, Arlington, MA 02474

Witness Mary E. Ongar Date 9/14/98

Address 390 Highland St., Newton, MA 02493-2627

Witness Nancy J. Hough Date 14 Sept 1998

Address 174 Helen Dr., Marlborough, MA 01752

Inventor Samuel Resheff Date 9-14-98  
Address 28 Madoc Street, Newton, MA 02459

Witness Mary E. Ongar Date 9/14/98

Address 390 Highland St., Newton, MA 02493-2627

Witness Nancy J. Hough Date 14 Sept 1998

Address 174 Helen Dr., Marlborough, MA 01752